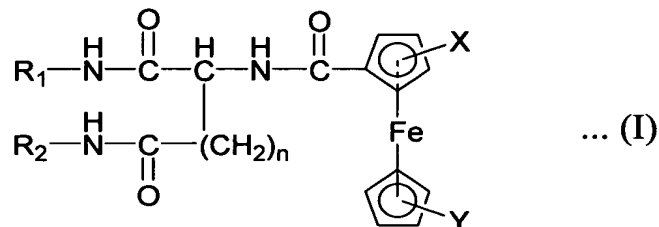


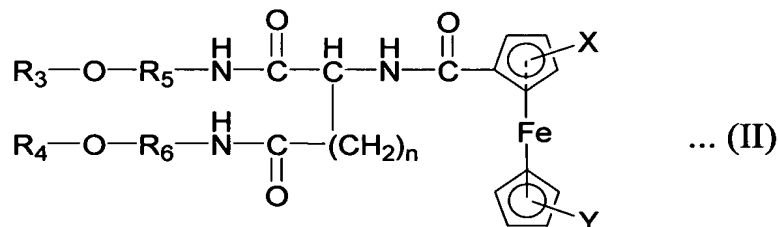
WHAT IS CLAIMED IS:

1. A ferrocene-containing, organic gelling compound represented by the following general formula (I):



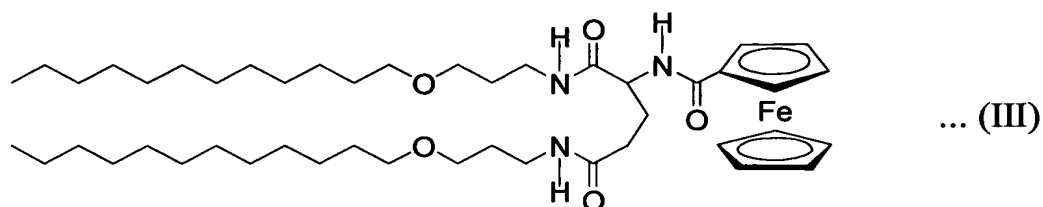
5 wherein  $\text{R}_1$  and  $\text{R}_2$  represent the same or different alkyl groups having 2 or more carbon atoms or alkyl groups containing at least one ether bond, X and Y independently represent a hydrogen atom or a substituent, and n represents an integer of 1 or 2.

2. The ferrocene-containing, organic gelling compound according to  
 10 claim 1, wherein said gelling compound is represented by the following formula (II):



15 wherein  $\text{R}_3$  and  $\text{R}_4$  represent the same or different alkyl groups having 2 or more carbon atoms,  $\text{R}_5$  and  $\text{R}_6$  represent the same or different alkylene groups having 2 to 20 carbon atoms, X and Y independently represent a hydrogen atom or a substituent, and n represents an integer of 1 or 2.

3. The ferrocene-containing, organic gelling compound according to claim 1 or 2, wherein said gelling compound is represented by the following formula (III):



4. The ferrocene-containing, organic gelling compound according to any one of claims 1 to 3, wherein said gelling compound can convert an organic solvent or an ionic liquid to a gel.
- 5 5. A gel comprising the ferrocene-containing, organic gelling compound recited in any one of claims 1 to 4.
6. The gel according to claim 5, wherein said gel comprises said gelling compound and an organic solvent.
7. The gel according to claim 6, wherein said organic solvent is  
10 acetonitrile.
8. The gel according to claim 5, wherein said gel comprises said gelling compound and an ionic liquid.
9. The gel according to claim 8, wherein said ionic liquid is N-methyl-N'-methoxymethylimidazolium bromide.
- 15 10. A cast film obtained by casting the ferrocene-containing, organic gelling compound recited in any one of claims 1 to 4.